

WHAT IS CLAIMED IS:

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1. A cooling system for a vehicle having a low voltage DC electric supply and an engine, the cooling system comprising:
 - a) a compressor driven by the engine;
 - b) a condenser connected to the compressor;
 - c) an evaporator connected to the condenser and the compressor;
 - d) a DC to AC inverter connected to the low voltage DC electric supply;
 - e) a first AC powered fan connected to the AC output of the inverter for cooling the condenser; and
 - f) a second AC powered fan connected to the AC output of the inverter for circulating air through the evaporator and the space being cooled-
 2. The cooling system according to claim 1, in which the inverter is capable of providing a variable frequency output, and the first AC powered fan has a motor whose speed is related to the frequency of the AC power for temperature regulation.